

Computer Specifications

CPU and Memory

16-bit CPU	80386SX microprocessor, 16 MHz system clock speed, 16 MHz or 8 MHz processor speed; user selectable
	0 wait state memory access speed at 16 MHz
System memory	2MB RAM standard; expandable using 256KB, 1MB, or 4MB SIMMs up to 24MB (the first 16MB can be extended or expanded memory; above 16MB can be only expanded memory); SIMM access speed must be 80ns or faster
ROM	128KB (system BIOS and VGA BIOS)
Shadow RAM	0 wait state access speed; system ROM BIOS and video ROM can be copied into RAM through SETUP
Math coprocessor	80387SX, 16 MHz support; optional
Clock/calendar	Real-time clock, calendar, and CMOS RAM for configuration; battery backup
Battery	Replaceable, 3.6V lithium; 3-5 year life

Controllers

Diskette	supports up to two drives in any of four formats: 5¼-inch, high-density, 1.2MB; 5¼-inch, double-density, 360KB; 3½-inch, high-density, 1.44MB; 3½-inch, double-density, 720KB; controller on main system board
Hard disk	Supports up to two drives; embedded IDE; interface on main system board

Interfaces

Monitor	Standard VGA with 256KB of video memory; supports up to 800 × 600 pixels in 16-color or gray scale mode; 15-pin, D-shell connector
Serial	RS-232C, programmable, asynchronous; 9-pin, D-shell connector
Parallel	Standard 8-bit parallel, mono-directional; 25-pin, D-shell connector
Mouse	Mini DIN, 6-pin connector for PS/2 compatible mouse or other device
Keyboard	Mini DIN, 6-pin connector for PS/2 compatible keyboard
Option slots	Four standard input/output expansion slots (three 16-bit ISA compatible and one 8-bit ISA compatible); 8 MHz bus speed
Speaker	Internal, programmable
Power Supply	
Type	145W, fan-cooled
Input ranges	98 VAC to 132 VAC, 47 Hz to 63 Hz
Maximum outputs	+5 VDC at 18 Amps, +12 VDC at 4.2 Amps -12 VDC at 0.3 Amps, -5 VDC at 0.3 Amps

Mass Storage

	Three half-height drives maximum (one vertical mount and two horizontal mounts) configurable using the following drive types:
Diskette drives	5¼-inch diskette drive, 1.2MB (high-density) storage capacity 3½-inch diskette drive, 1.44MB (high-density) storage capacity 5¼-inch diskette drive, 360KB (double-density) storage capacity 3½-inch diskette drive, 720KB (double-density) storage capacity
Hard disk drives	3Kinch form factor hard disk drive(s), up to half height size; the first mounted vertically, second mounted horizontally
Other devices	Half-height tape drive, CD-ROM, or other storage device; 5¼-inch form factor or 3½-inch with 5/8-inch mounting frames

Keyboard

	Detachable, two position; 101 sculpted keys
Layout	58-key QWERTY main keyboard; 17-key numeric/cursor pad; 10 cursor keys; additional 4-key cursor pad; 16 function keys (user-definable)
Function	Four levels (normal, shift, control, alternate); user-definable

EQUITY 386SX/16 PLUS

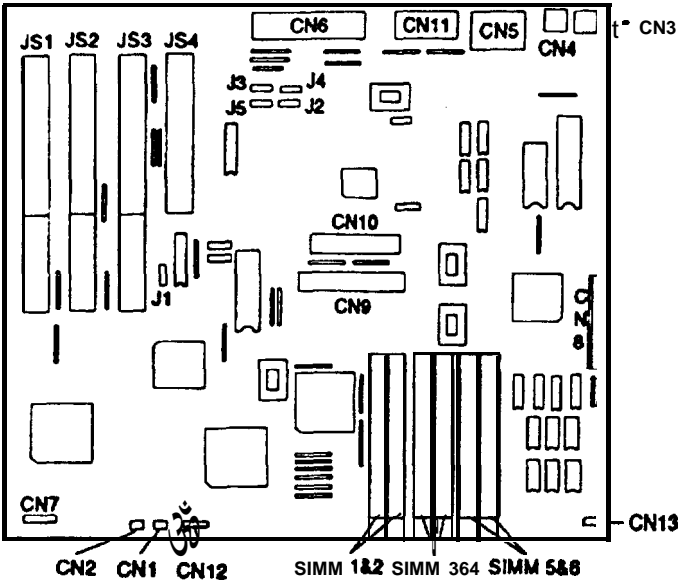
Environmental Requirements

Condition	Operating range	Non-operating range	Storage range
Temperature	41° to 95° F (5° to 35° C)	-4° to 140° F (-20° to 60° C)	-40° to 140° F (-40° to 60° C)
Humidity (non-condensing)	20% to 80%	10% to 90%	5% to 95%
Altitude	-330 to 9900 ft (-100 to 3000 m)	-330 to 11880 ft (-100 to 3600 m)	-330 to 39600 ft (-100 to 12000 m)
Maximum wet bulb	68° F (20° C)	104° F (40° C)	134° F (57° C)

Physical Characteristics

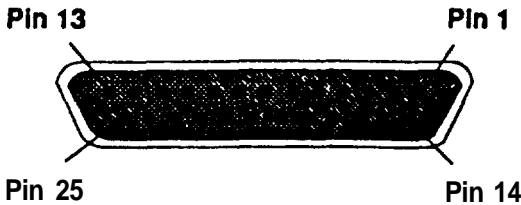
Width	14.75 inches (375 mm)
Depth	17.5 inches (444 mm)
Height	5.9 inches (150 mm)
Weight	Single diskette drive model without keyboard: 20.6 lb (9.4 kg)

System Board Interface Connectors



Connector Pin Assignments

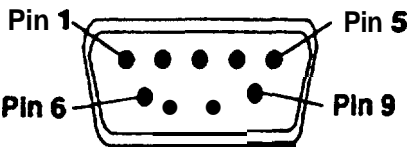
Parallel Port Connector, CN6



Parallel Port Connector Pin Assignments

Pin	Signal	Pin	Signal	Pin	Signal
1	Strobe	10	ACK	19	Signal GND
2	DATA0	11	BUSY	20	Signal GND
3	DATA1	12	PE	21	Signal GND
4	DATA2	13	SELECT	22	Signal GND
5	DATA3	14	AUTO	23	Signal GND
6	DATA4	15	ERROR	24	Signal GND
7	DATA5	16	INIT	25	Signal GND
8	DATA6	17	SELECTIN		
9	DATA7	18	Signal GND		

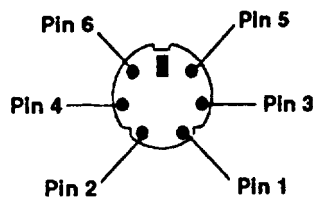
Serial Port Connector, CN11



Serial Port Connector Pin Assignment

Pin	Signal	Pin	Signal
1	Data carrier detect	6	Data set ready
2	Receive data	7	Request to send
3	Transmit data	8	Clear to send
4	Data terminal ready	9	Ring indicator
5	Not used		

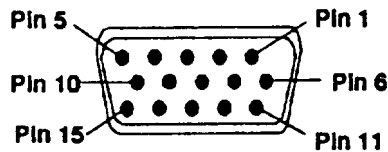
Keyboard and Mouse Connector, CN4 and CN3



Keyboard and Mouse Connector Pin Assignments

Keyboard		Mouse	
Pin	Signal	Pin	Signal
1	Keyboard data	1	Mouse data
2	Reserved	2	Reserved
3	Ground	3	Ground
4	+5 VDC	4	+5 VDC
5	Keyboard clock	5	Mouse clock
6	Reserved	6	Reserved

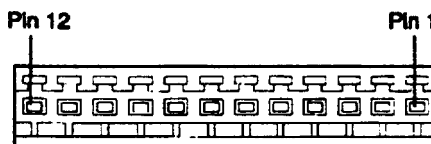
VGA Connector, CN5



VGA Connector Pin Assignments

Pin	Signal	Pin	Signal
1	Red video	9	Key
2	Green video	10	Sync return
3	Blue video	11	Reserved
4	Not used	12	Reserved
5	Ground	13	Horizontal sync
6	Red return	14	Vertical sync
7	Green return	15	Not used
8	Blue return		

Power Supply Connector, CN8



Power Supply Connector Pin Assignments

Pin	Signal	Power Supply Connection
1	POWER GOOD	P4, Pin 1
2	+5 VDC	P4, Pin 2
3	+12 VDC	P4, Pin 3
4	-12 VDC	P4, Pin 4
5	GND	P4, Pin 5
6	GND	P4, Pin 6
7	GND	P5, Pin 1
8	GND	P5, Pin 2
9	-5 VDC	P5, Pin 3
10	+5 VDC	P5, Pin 4
11	+5 VDC	P5, Pin 5
12	+5 VDC	P5, Pin 6

System I/O Address Map

Hex Address	Assigned Device
000 - 01F	DMA controller 1, 8237A-5
020 - 03F	Interrupt controller 1, 8259A, master
040 - 05F	Timer/counter, 8254-2
060 - 06F	Keyboard controller, 8742
070 - 07F	RTC, NMI mask register
080 - 09F	DMA page registers, 74LS612
0A0 - 0BF	Reserved by VTI for PS/2 compatibility
0C0 - 0DF	VGA, 82C452
0E0 - 0EF	Interrupt controller 2 (8259A-compatible)
0F0 - 0FF	DMA controller 2 (8237A-5-compatible)
100 - 10F	Reserved by VTI for EMS index register
110 - 11F	Reserved by VTI for EMS active set
120 - 12F	Reserved by VTI for EMS data port low byte
130 - 13F	Reserved by VTI for EMS data port high byte
140 - 14F	Reserved by VTI for index register
150 - 15F	Reserved by VTI for data port register
160 - 16F	Reserved by VTI for fast A20
170 - 17F	Reserved by VTI for fast reset
180 - 18F	Clear math coprocessor busy (80387SX/16)
190 - 19F	Reset math coprocessor (80387SX/16)
1A0 - 1AF	Reserved by VTI for slow CPU
1B0 - 1BF	Reserved by VTI for fast CPU
1C0 - 1CF	Math coprocessor (80387SX/16)
1D0 - 1DF	VGA, 82C452
1E0 - 1EF	Hard disk controller, primary
1F0 - 1FF	Game I/O
200 - 20F	Reserved
210 - 21F	Reserved
220 - 22F	Parallel printer port 3
230 - 23F	Alternate enhanced graphics adapter
240 - 24F	Data acquisition adapter (adapter 0)
250 - 25F	Serial port 2
260 - 26F	Prototype card
270 - 27F	PC network (low address)
280 - 28F	Reserved
290 - 29F	PC network (high address)
2A0 - 2AF	Reserved
2B0 - 2BF	Parallel printer port 2
2C0 - 2CF	SDLC, bisynchronous communication 2
2D0 - 2DF	Cluster
2E0 - 2EF	Bisynchronous communication 1
2F0 - 2FF	Monochrome display and printer adapter
300 - 30F	Enhanced graphics adapter
310 - 31F	Color/graphics monitor adapter
320 - 32F	Floppy disk drive controller primary
330 - 33F	Serial port 1
340 - 34F	Data acquisition (adapter 1)
350 - 35F	Cluster (adapter 1)
360 - 36F	Data acquisition (adapter 2)
370 - 37F	Cluster (adapter 2)
380 - 38F	Data acquisition (adapter 3)
390 - 39F	Reserved
3A0 - 3AF	Cluster (adapter 3)
3B0 - 3BF	Cluster (adapter 3)
3C0 - 3CF	Data acquisition (adapter 3)
3D0 - 3DF	Reserved
3E0 - 3EF	Cluster (adapter 3)
3F0 - 3FF	Cluster (adapter 3)
400 - 40F	Cluster (adapter 3)
410 - 41F	Cluster (adapter 3)
420 - 42F	Cluster (adapter 3)
430 - 43F	Cluster (adapter 3)
440 - 44F	Cluster (adapter 3)
450 - 45F	Cluster (adapter 3)
460 - 46F	Cluster (adapter 3)
470 - 47F	Cluster (adapter 3)
480 - 48F	Cluster (adapter 3)
490 - 49F	Cluster (adapter 3)
4A0 - 4AF	Cluster (adapter 3)
4B0 - 4BF	Cluster (adapter 3)
4C0 - 4CF	Cluster (adapter 3)
4D0 - 4DF	Cluster (adapter 3)
4E0 - 4EF	Cluster (adapter 3)
4F0 - 4FF	Cluster (adapter 3)
500 - 50F	Cluster (adapter 3)
510 - 51F	Cluster (adapter 3)
520 - 52F	Cluster (adapter 3)
530 - 53F	Cluster (adapter 3)
540 - 54F	Cluster (adapter 3)
550 - 55F	Cluster (adapter 3)
560 - 56F	Cluster (adapter 3)
570 - 57F	Cluster (adapter 3)
580 - 58F	Cluster (adapter 3)
590 - 59F	Cluster (adapter 3)
5A0 - 5AF	Cluster (adapter 3)
5B0 - 5BF	Cluster (adapter 3)
5C0 - 5CF	Cluster (adapter 3)
5D0 - 5DF	Cluster (adapter 3)
5E0 - 5EF	Cluster (adapter 3)
5F0 - 5FF	Cluster (adapter 3)
600 - 60F	Cluster (adapter 3)
610 - 61F	Cluster (adapter 3)
620 - 62F	Cluster (adapter 3)
630 - 63F	Cluster (adapter 3)
640 - 64F	Cluster (adapter 3)
650 - 65F	Cluster (adapter 3)
660 - 66F	Cluster (adapter 3)
670 - 67F	Cluster (adapter 3)
680 - 68F	Cluster (adapter 3)
690 - 69F	Cluster (adapter 3)
6A0 - 6AF	Cluster (adapter 3)
6B0 - 6BF	Cluster (adapter 3)
6C0 - 6CF	Cluster (adapter 3)
6D0 - 6DF	Cluster (adapter 3)
6E0 - 6EF	Cluster (adapter 3)
6F0 - 6FF	Cluster (adapter 3)
700 - 70F	Cluster (adapter 3)
710 - 71F	Cluster (adapter 3)
720 - 72F	Cluster (adapter 3)
730 - 73F	Cluster (adapter 3)
740 - 74F	Cluster (adapter 3)
750 - 75F	Cluster (adapter 3)
760 - 76F	Cluster (adapter 3)
770 - 77F	Cluster (adapter 3)
780 - 78F	Cluster (adapter 3)
790 - 79F	Cluster (adapter 3)
7A0 - 7AF	Cluster (adapter 3)
7B0 - 7BF	Cluster (adapter 3)
7C0 - 7CF	Cluster (adapter 3)
7D0 - 7DF	Cluster (adapter 3)
7E0 - 7EF	Cluster (adapter 3)
7F0 - 7FF	Cluster (adapter 3)
800 - 80F	Cluster (adapter 3)
810 - 81F	Cluster (adapter 3)
820 - 82F	Cluster (adapter 3)
830 - 83F	Cluster (adapter 3)
840 - 84F	Cluster (adapter 3)
850 - 85F	Cluster (adapter 3)
860 - 86F	Cluster (adapter 3)
870 - 87F	Cluster (adapter 3)
880 - 88F	Cluster (adapter 3)
890 - 89F	Cluster (adapter 3)
8A0 - 8AF	Cluster (adapter 3)
8B0 - 8BF	Cluster (adapter 3)
8C0 - 8CF	Cluster (adapter 3)
8D0 - 8DF	Cluster (adapter 3)
8E0 - 8EF	Cluster (adapter 3)
8F0 - 8FF	Cluster (adapter 3)
900 - 90F	Cluster (adapter 3)
910 - 91F	Cluster (adapter 3)
920 - 92F	Cluster (adapter 3)
930 - 93F	Cluster (adapter 3)
940 - 94F	Cluster (adapter 3)
950 - 95F	Cluster (adapter 3)
960 - 96F	Cluster (adapter 3)
970 - 97F	Cluster (adapter 3)
980 - 98F	Cluster (adapter 3)
990 - 99F	Cluster (adapter 3)
9A0 - 9AF	Cluster (adapter 3)
9B0 - 9BF	Cluster (adapter 3)
9C0 - 9CF	Cluster (adapter 3)
9D0 - 9DF	Cluster (adapter 3)
9E0 - 9EF	Cluster (adapter 3)
9F0 - 9FF	Cluster (adapter 3)
A00 - A0F	Cluster (adapter 3)
A10 - A1F	Cluster (adapter 3)
A20 - A2F	Cluster (adapter 3)
A30 - A3F	Cluster (adapter 3)
A40 - A4F	Cluster (adapter 3)
A50 - A5F	Cluster (adapter 3)
A60 - A6F	Cluster (adapter 3)
A70 - A7F	Cluster (adapter 3)
A80 - A8F	Cluster (adapter 3)
A90 - A9F	Cluster (adapter 3)
AA0 -AAF	Cluster (adapter 3)
AB0 - ABF	Cluster (adapter 3)
AC0 - ACF	Cluster (adapter 3)
AD0 - ADF	Cluster (adapter 3)
AE0 - AEF	Cluster (adapter 3)
AF0 - AFF	Cluster (adapter 3)
B00 - B0F	Cluster (adapter 3)
B10 - B1F	Cluster (adapter 3)
B20 - B2F	Cluster (adapter 3)
B30 - B3F	Cluster (adapter 3)
B40 - B4F	Cluster (adapter 3)
B50 - B5F	Cluster (adapter 3)
B60 - B6F	Cluster (adapter 3)
B70 - B7F	Cluster (adapter 3)
B80 - B8F	Cluster (adapter 3)
B90 - B9F	Cluster (adapter 3)
BA0 -BAF	Cluster (adapter 3)
BB0 -BBF	Cluster (adapter 3)
BC0 -BCF	Cluster (adapter 3)
BD0 -BDF	Cluster (adapter 3)
BE0 -BEF	Cluster (adapter 3)
BF0 -BFF	Cluster (adapter 3)
C00 - C0F	Cluster (adapter 3)
C10 - C1F	Cluster (adapter 3)
C20 - C2F	Cluster (adapter 3)
C30 - C3F	Cluster (adapter 3)
C40 - C4F	Cluster (adapter 3)
C50 - C5F	Cluster (adapter 3)
C60 - C6F	Cluster (adapter 3)
C70 - C7F	Cluster (adapter 3)
C80 - C8F	Cluster (adapter 3)
C90 - C9F	Cluster (adapter 3)
CA0 -CAF	Cluster (adapter 3)
CB0 -CBF	Cluster (adapter 3)
CC0 -CCF	Cluster (adapter 3)
CD0 -CDF	Cluster (adapter 3)
CE0 -CEF	Cluster (adapter 3)
CF0 -CFF	Cluster (adapter 3)
D00 - D0F	Cluster (adapter 3)
D10 - D1F	Cluster (adapter 3)
D20 - D2F	Cluster (adapter 3)
D30 - D3F	Cluster (adapter 3)
D40 - D4F	Cluster (adapter 3)
D50 - D5F	Cluster (adapter 3)
D60 - D6F	Cluster (adapter 3)
D70 - D7F	Cluster (adapter 3)
D80 - D8F	Cluster (adapter 3)
D90 - D9F	Cluster (adapter 3)
DA0 -DAF	Cluster (adapter 3)
DB0 -DBF	Cluster (adapter 3)
DC0 -DCF	Cluster (adapter 3)
DD0 -DDF	Cluster (adapter 3)
DE0 -DEF	Cluster (adapter 3)
DF0 -DFF	Cluster (adapter 3)
E00 - E0F	Cluster (adapter 3)
E10 - E1F	Cluster (adapter 3)
E20 - E2F	Cluster (adapter 3)
E30 - E3F	Cluster (adapter 3)
E40 - E4F	Cluster (adapter 3)
E50 - E5F	Cluster (adapter 3)
E60 - E6F	Cluster (adapter 3)
E70 - E7F	Cluster (adapter 3)
E80 - E8F	Cluster (adapter 3)
E90 - E9F	Cluster (adapter 3)
EA0 -EAF	Cluster (adapter 3)
EB0 -EBF	Cluster (adapter 3)
EC0 -ECF	Cluster (adapter 3)
ED0 -EDF	Cluster (adapter 3)
EE0 -EEF	Cluster (adapter 3)
EF0 -EFF	Cluster (adapter 3)
F00 - F0F	Cluster (adapter 3)
F10 - F1F	Cluster (adapter 3)
F20 - F2F	Cluster (adapter 3)
F30 - F3F	Cluster (adapter 3)
F40 - F4F	Cluster (adapter 3)
F50 - F5F	Cluster (adapter 3)
F60 - F6F	Cluster (adapter 3)
F70 - F7F	Cluster (adapter 3)
F80 - F8F	Cluster (adapter 3)
F90 - F9F	Cluster (adapter 3)
FA0 -FAF	Cluster (adapter 3)
FB0 -FBF	Cluster (adapter 3)
FC0 -FCF	Cluster (adapter 3)
FD0 -FDF	Cluster (adapter 3)
FE0 -FEF	Cluster (adapter 3)
FF0 -FFF	Cluster (adapter 3)

DMA Request Level

Level	Assigned Device
DRQ0 (CTRL1)	Spare
DRQ1 (CTRL1)	SDLC
DRQ2 (CTRL1)	FDD controller
DRQ3 (CTRL1)	Spare
DRQ4 (CTRL2)	Cascade for CTRL1
DRQ5 (CTRL2)	Spare
DRQ6 (CTRL2)	Spare
DRQ7 (CTRL2)	Spare

Hardware Interrupts

IRQ No.	Function
NMI	Parity or I/O channel check
IRQ00	Timer output 0
IRQ01	Keyboard (output buffer full)
IRQ02	Interrupt from CTRL2 (cascade)
IRQ03	Serial port 2
IRQ04	Serial port 1
IRQ05	Parallel port 2
IRQ06	Floppy disk controller
IRQ07	Parallel port 1
IRQ08	Real-time clock
IRQ09	Reserved
IRQ10	Reserved
IRQ11	Reserved
IRQ12	Reserved
IRQ13	Coprocessor
IRQ14	IDE HDD controller
IRQ15	Reserved

Jumper Settings

Main System Board Jumper Settings

Jumper number	Jumper setting	Function
J1	A B*	Disables the built-in VGA display adapter so you can use a display adapter on an option card in your computer as your primary adapter Enables the built-in VGA display adapter
J2	A B*	Disables the password function Enables the password function
J3	A* B	A color monitor is installed A monochrome monitor is installed
J4	A* B	Enables the built-in mouse connector Disables the built-in mouse connector so you can use a mouse or other pointing device connected to a port on an option card in your computer
J5	A* B	Enables the IRQ09 signal for the built-in VGA display adapter Enables the IRQ09 signal for a display adapter on an option card

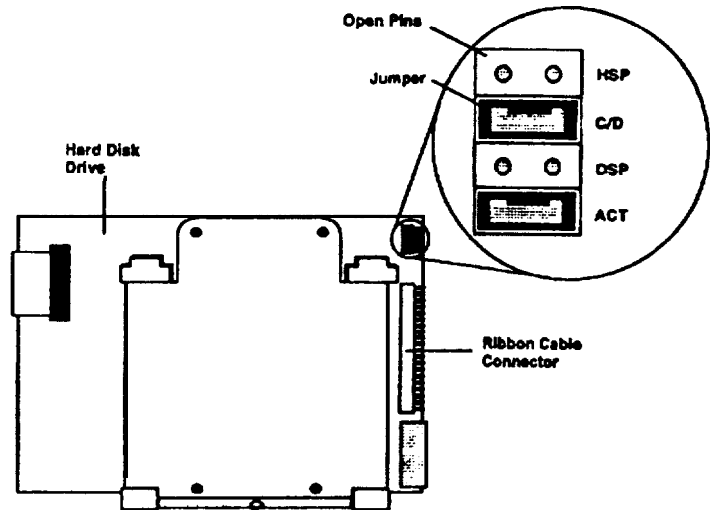
. Factory settings

IDE HDD jumper Settings

Jumper positions	One hard disk drive	Two hard disk drives: master	Two hard disk drives: slave
HSP	—		
C/D	X	X	
DSP		X	
ACT	X	X	X

X = jumper installed

— = no jumper installed



SIMM Installation

SIMM configurations for tk Equity 386SX/16 PLUS

Bank 1 sockets		Bank 2 sockets		Bank 3 sockets		Total memory
SIMM1	SIMM2	SIMM3	SIMM4	SIMM5	SIMM6	
K	K					3MB
1	1					4MB
1	1	K	K	K	K	5MB
1	1	1	1			6MB
1	1	1	1	1	1	8MB
4	4					10MB
4	4	K	K	K	K	11MB
1	1	4	4			12MB
4	4	4	4			18MB*
1	1	4	4	4	4	20MB*
4	4	4	4	4	4	24MB*†

K = 256KB SIMM 1 = 1MB SIMM 4 = 4MB SIMM

* If you install this amount of system memory, only 16MB of it can be used as extended memory. Any memory above 16MB must be used as expanded memory.

† If you install 24MB of total memory on SIMMs, the computer disables the 2MB of memory soldered on the main system board.

See "System Board Interface Connectors" above to locate the SIMM sockets.

Hard Disk Drive Types

The following table lists the types of hard disk drives you can use in the computer. Check this table and the documentation supplied with your hard disk to find the correct number for the type of hard disk drive(s) installed. You need to enter this number when you set the hard disk drive configuration in the Setup program.

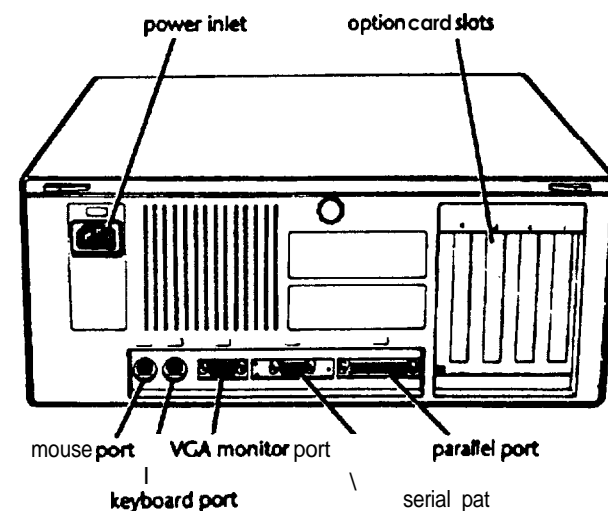
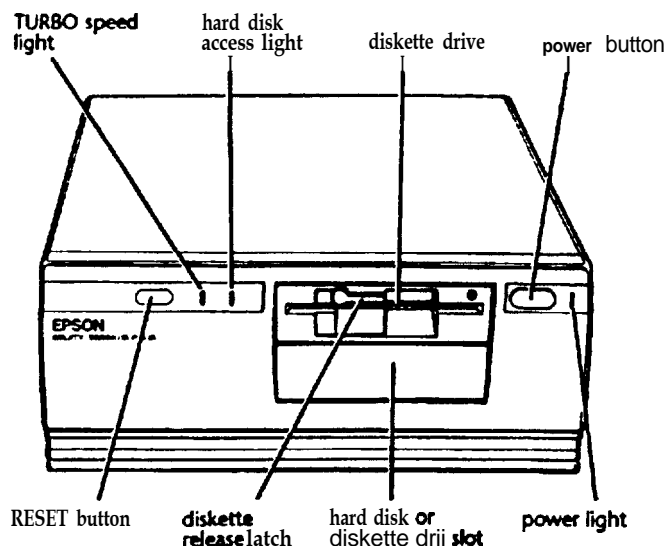
Hard disk drive types

Type no.	Cylinders	Heads	Sectors (Sec)	Precomp (WPrecomp)	Landing Zone	Size (in MB)	Drive name/manufacturer
1	306	4	17	128	305	10	
2	615	4	17	300	615	20	ST225, ST4026, WD-93024
3	615	6	17	300	615	31	
4	940	8	17	512	940	62	
5	940	6	17	512	940	47	
6	615	4	17	none	615	20	
7	462	8	17	256	511	31	
8	733	5	17	none	733	30	ST-4038
9	900	15	17	none	901	112	
10	820	3	17	none	820	20	
11	855	5	17	none	855	35	
12	855	7	17	none	855	50	
13	306	8	17	128	319	20	
14	733	7	17	none	733	43	
15							-reserved-
16	612	4	17	0	663	20	
17	977	5	17	300	977	41	CP-3044
18	977	7	17	none	977	57	
19	1024	7	17	512	1023	60	
20	733	5	17	300	732	30	
21	733	7	17	300	732	43	
22	733	5	17	300	733	30	
23	306	4	17	0	336	10	Compatible IBM
24	977	5	17	none	976	41	ST-4051
25	1024	9	17	none	1023	77	ST-4096, CDC-94155
26	980	5	17	none	980	41	CP-3044, translate mode
27	969	10	17	none	% I	80	CP-3184 translate mode
28	1224	15	17	none	1223	152	Martor 2190
29	683	16	38	none	683	203	CP-3204 default mode
30	832	6	33	none	832	80	CP-3184 default mode
31	482	25	17	none	482	100	CP-3104 UNIX mode
32	925	9	17	none	926	69	CDC-9415
33	981	5	17		981	41	Miniscribe 8051A Tran
34	678	36	1?		678	263	CP-3204 UNIX mode
35	1024	12	17	none	1024	102	
36	1024	14	17		1024	119	
37	1024	16	17	none	1024	136	
38	1024	7	35	none	1024	123	HH-2120 (ESDI)
39	1024	5	17	none	1023	4	HH-1050
40	820	6	17	none	820	41	ST-251
41	615	6	17	none	615	31	OPC 30MB
42	754	11	17	128	754	69	Fujitsu 80M (M2243AS)
43	1314	7	17	1314	1314	76	Miniscribe
44	615	6	26	none	615	47	Seagate 40MB
45	820	6	26	544	819	62	
46	642	8	17	128	664	43	NEC D-3142
47	—	—	—	—	—	—	User defined type
60	776	8	33	none	776	100	CP-3104
64	683	16	38	none	683	203	CP-3204

Installation/Support Tips

Power

The Equity 386SX/16 PLUS has a 145W, 115VAC power supply.



Mouse and Keyboard

- When attaching the mouse and keyboard connectors, be careful to attach them to the proper connectors. Although they are physically identical, they are not interchangeable.

Installing Floppy Disk Drives

- When installing a floppy disk drive as drive B, remember to set the drive select jumper to the second position and attach the pass-through connector on the floppy drive controller cable to the drive, not to the end connector.
- If the drive does not function normally, make sure that the drive type has been correctly selected in SETUP. Also check that any special drivers that may be necessary have been installed correctly.

Installing Hard Disk Drives

- It is recommended that a 16-bit AT-type hard disk controller be used in the Equity 386SX/16 PLUS if you are installing a drive that cannot make use of the internal hard disk controller. Also remember to disable the onboard hard disk controller when installing such a drive.
- If you are having difficulty in formatting the hard disk drive, try starting over with the Format option in diagnostics.

Setup

- When installing a hard disk drive, be sure to consult the drive type table for the type which fits the drive you are installing. If there is no match for your drive, use the User Defined option.

Adding Memory Modules

- The total amount of memory must be one of the following 2MB, 3MB, 4MB, 5MB, 6MB, 8MB, 10MB, 11MB, 12MB, 18MB, 20MB, or 24MB.
- 256KB, 1MB, and 4MB SIMMs can be used. They must be fast-page mode and have an access speed of 80ns or faster.

Software Problems

- When installing a copy-protected software package on the Equity 386SX/16 PLUS, first try the installation at 16 MHz. If this does not work properly, try switching to 8 MHz for the installation. If you are still unable to load the program at 16 MHz, try loading it at 8 MHz and then switch to 16 MHz.
- When running a software program that uses a key disk as its copy-protection method, try loading it at 16 MHz. If this does not work, enable the Auto Speed option in SETUP.

Power-on Password

- If you set a power-on password, make sure you do not forget it. If you do, it will be necessary to disable it by moving jumper J2 on the main system board to the A position

Information Reference List

Engineering Change Notices

None.

Technical Information Bulletins

None.

Product Support Bulletins

None.

Related Documentation

TM-386SX16+	Equity 386SX/16 PLUS Service Manual
PL-386SX16+	Equity 386SX/16 PLUS Parts Price List
Y705991013	Equity 386SX/16 PLUS User s Guide
Y705991015	Equity 386SX/16 PLUS VGA Utilities